

TITLE: Oleanolic acid-lactose conjugate, its preparation and Application

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ABSTRACT

The title compound is prepared three steps from 6-[[[(3.beta.)-3-hydroxy-28-oxoolean-12-en-28-yl]amino]-hexanoic acid

Me ester. The oleanolic acid-3-O-beta-lactoside may be used for treating diabetes mellitus.

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TITLE: Antioxidation effect of **berberine** on
non-insulin dependent **diabetes** mellitus of
rat

AUTHOR(S): Song, Jumin; Mao, Liang; Shi, Jianling; Li, Shiliang;
Zheng, Huitian; Chen, Hanping

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AB In non-insulin-dependent **diabetic** rats, **berberine**
significantly inhibited hyperinsulinemia and ameliorated the abnormalities
in glucose tolerance and lipid metabolism **Berberine** also decreased
lipid peroxide content and increased superoxide dismutase activity in
liver. These results suggest that **berberine** has marked
antioxidant activity and thus inhibits metabolic disorders resulted from
oxidative damage.